

ABSTRACT OF THE DISCLOSURE

A shaping drum for tire carcasses includes a barrel (5), comprising two systems for holding the beads (7, 8) of a carcass (2) to be shaped carried by the barrel, and a receiving surface (30) for the tire carcass which is formed by the outer surfaces (310) of a plurality plates (31) which are mounted on the barrel (5) and arranged circumferentially around the central axis of the barrel (5). The plates (31) are radially displaceable between a retracted position and an expanded position of the drum (1). Guide structure (43) on the inner side of each plate (31) bears on an adjacent plate, permitting the positioning of each plate at the same radial level in the expanded position of the drum and permitting the tilting of each plate about an axis parallel to the central axis such that the plates are circumferentially superimposed in the retracted position of the drum (1).